

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

**INTELLECTUAL PROPERTY LAW**

**8110 GATEHOUSE ROAD**

**SUITE 500 EAST**

**FALLS CHURCH, VA 22042-1210**

**USA**

**(703) 205-8000**

**FAX: (703) 205-8050**

**(703) 698-8590 (G IV)**

**e-mail: mailroom@bskb.com**

**web: http://www.bskb.com**

**CALIFORNIA OFFICE**

**COSTA MESA, CALIFORNIA**

SCOTT L. LOWE  
PAUL C. LEWIS  
RICHARD J. GALLAGHER  
JAYNE M. SAYDAH\*  
MARYANNE ARMSTRONG, Ph.D.  
KECIA J. REYNOLDS  
ROBERT L. SCOTT, II  
KALPANA REDDY  
MARK E. OLDS  
ESTHER H. CHONG  
CATHERINE M. VOISINET  
EUGENE T. PEREZ

REG. PATENT AGENTS:  
FREDERICK R. HANDREN  
MAKI HATSUMI  
CRAIG A. McROBBIE  
GARTH M. DAHLEN, Ph.D.  
ROBERT E. GOOZNER, Ph.D.  
KRISTI L. RUPERT, Ph.D.  
MATTHEW T. SHANLEY  
SUSAN W. GORMAN, Ph.D.  
DAVID J. CHO  
ROBERT W. DOWNS

TERRELL C. BIRCH  
RAYMOND C. STEWART  
JOSEPH A. KOLASCH  
JAMES M. SLATTERY  
BERNARD L. SWEENEY\*  
MICHAEL K. MUTTER  
CHARLES GORENSTEIN  
GERALD M. MURPHY, JR.  
LEONARD R. SVENSSON  
ANDREW D. MEIKLE  
MARC S. WEINER  
JOE MCKINNEY MUNCY  
ROBERT J. KENNEY  
JOHN W. BAILEY  
MARK J. NUELLE, Ph.D.  
JAMES T. ELLER, JR.  
D. RICHARD ANDERSON

**OF COUNSEL:**

HERBERT M. BIRCH (1905-1996)  
ELLIOT A. GOLDBERG\*  
WILLIAM L. GATES\*  
EDWARD H. VALANCE  
RUPERT J. BRADY (RET.)\*  
P. PRINCE BUTLER  
FRED S. WHISENHUNT  
JAMES W. HELLWEGE

ADMITTED TO A BAR OTHER THAN VA.

Date: February 25, 2002

Docket No.: 1560-0377P

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

As authorized by the inventor(s), transmitted herewith for filing is a continuation-in-part application of Appl. No. 09/719,003 filed on December 7, 2000. The present application is filed on behalf of the inventor(s) according to the provisions of 37 C.F.R. § 1.41(c).

Inventor(s): TAKUMOTO, Yoshitomo; NAKANO, Yoshiaki;  
KANDA, Koji; KOTAKA, Kenichi; MAEDA, Naoki;  
SHIBA, Mahito

For: ROTATIONAL ANGLE DETECTING DEVICE, TORQUE  
DETECTING DEVICE AND STEERING APPARATUS

Enclosed are:

- ☒ A specification consisting of Four Hundred Eighty (480) pages
- ☒ One Hundred Fifty-Four (154) sheet(s) of formal drawings
- ☒ Executed Declaration in accordance with 37 C.F.R. § 1.64 will follow
- ☒ Information Sheet
- ☐ Preliminary Amendment
- ☐ Certified copy of Priority Document(s)

Docket No. 1560-0377P

- ☒ Please see the Information Sheet for all priority applications.
- ☒ An Information Disclosure Statement and PTO-1449 form(s) are attached hereto for the Examiner's consideration.
- ☐ Applicant claims small entity status under 37 C.F.R. § 1.27
- ☐ Amend the specification by inserting before the first sentence

--This application is a continuation-in-part of Application No. \_\_\_\_\_ filed on \_\_\_\_\_, the entire contents of which are hereby incorporated by reference.--

- ☐ Amend the specification by inserting before the first sentence

--This application is a continuation-in-part of PCT international application No. PCT/\_\_\_\_\_ which has an international filing date of \_\_\_\_\_ which designated the United States, the entire contents of which are hereby incorporated by reference.--

- ☐ An extension of time for ( ) month(s) until \_\_\_\_\_, has been submitted in parent Application No. \_\_\_\_\_ in order to establish co-pendency with the present application.
- ☐ Other: \_\_\_\_\_

The filing fee has been calculated as shown below:

			LARGE ENTITY	SMALL ENTITY
BASIC FEE			\$740.00	\$370.00
	NUMBER FILED	NUMBER EXTRA	RATE FEE	RATE FEE
TOTAL CLAIMS	72-20=	52	x18 = \$936.00	x 9= \$0.00
INDEPENDENT CLAIMS	17-3=	14	x84 = \$1,176.00	x42= \$0.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED			+ \$280.00	+ \$140.00
TOTAL			\$2,852.00	\$0.00

Docket No. 1560-0377P

- ☒ The application transmitted herewith is filed in accordance with 37 C.F.R. § 1.41(c). The undersigned has been authorized by the inventor(s) to file the present application. The original duly executed Declaration together with the surcharge will be forwarded in due course.
- ☒ A check in the amount of \$2,852.00 to cover the filing fee is enclosed.
- ☐ Please charge Deposit Account No. 02-2448 in the amount of \$0.00. A triplicate copy of this transmittal form is enclosed.
- ☒ Please send correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 2292  
P.O. Box 747  
Falls Church, VA 22040-0747

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 

Michael K. Mutter, #29,680

MKM/cqc  
1560-0377P

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

Attachments

(Rev. 02/20/02)

PATENT  
1560-0377P

## IN THE U.S. PATENT AND TRADEMARK OFFICE

I N F O R M A T I O N   S H E E T

Applicant: TOKUMOTO, Yoshitomo; NAKANO, Yoshiaki;  
KANDA, Koji; KOTAKA, Kenichi; MAEDA, Naoki;  
SHIBA, Mahito

Appl. No.: New

Filed: February 25, 2002

For: ROTATIONAL ANGLE DETECTING DEVICE, TORQUE  
DETECTING DEVICE AND STEERING APPARATUS

Priority Claimed Under 35 U.S.C. § 119 and/or § 120:

Japan 11-100665 April 7, 1999; Japan 11-288882 October 8, 1999;  
Japan 11-294551 October 15, 1999; Japan 11-310399 October 29,  
1999; Japan 11-320312 November 10, 1999; Japan 2000-49912  
February 25, 2000; Japan 2000-49913 February 25, 2002; Japan  
2000-62601 March 7, 2000; Japan 2000-62603 March 7, 2000; Japan  
2000-62604, March 7, 2000; PCT PCT/JP00/02163 April 3, 2000; US  
09/719,003 December 7, 2000; Japan 2001-154606 May 23, 2001;  
Japan 2001-280374 September 14, 2001; Japan 2001-292534 September  
25, 2001; Japan 2001-292535 September 25, 2001 and Japan 2001-  
295173 September 26, 2001.

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 2292  
P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

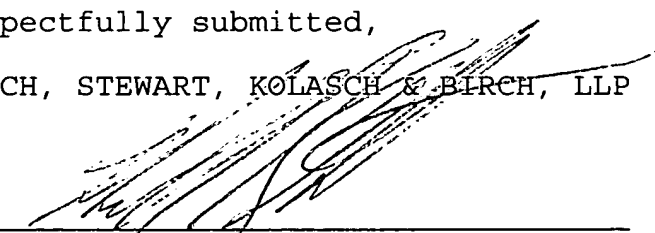
The above information is submitted to advise the U.S.P.T.O.  
of all relevant facts in connection with the present application.

A timely executed Declaration in accordance with 37 C.F.R.  
§ 1.64 will follow.

Respectfully submitted,

BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP

By

  
Michael K. Mutter, #29,680MKM/cqc  
1560-0377PP.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000